

6.0 Works Cited

Agency for Toxic Substances and Disease Registry (ATSDR), 1992. Thallium. ATSDR/U.S. Public Health Service.

Agency for Toxic Substances and Disease Registry (ATSDR), 1993. *Toxicological Profile for Mercury*. Prepared by: Clement International Corporation. Atlanta, Georgia.

Baker and Larson, 1973. *Case History, Nonferrous Metals, Mining & Smelting Industry. Process Waste Water Treatment at Bunker Hill Company*. Paper presented at the American Mining Congress, 1973 Mining Convention, September 9 - 12, Denver, Colorado.

Bendell-Young, L., and H. Harvey, 1986. *Uptake and tissue distribution of manganese in the white sucker (Castostomus commersoni) under conditions of low pH*. *Hydrobiologia*. 133:117-125.

Biesinger, K.E., and G.M. Christensen, 1972. *Effects of various metals on survival, growth, reproduction, and metabolism of Daphnia magna*. *J. Fish. Res. Bd. Canada*. 29:1691-1700.

Bodek, I., W.J. Lyman, W.F. Reehl, and D.H. Rosenblatt (ed.). 1988. *Environmental Inorganic Chemistry: Properties, Processes, and Estimation Methods*. Pergamon Press. A special publication of SETAC. New York, NY.

Bretherton, Bart, 1989. *Near-Surface Acid Mine Water Pools and their Implications for Mine Abandonment, Coeur d'Alene Mining District, Idaho*. Unpublished Master's thesis. University of Idaho. December 1989.

Callahan, M.A., M.W. Slimak, N.W. Gabel, et al., 1979. *Water-related Environmental Fate of 129 Priority Pollutants*. Washington, D.C., U.S. Environmental Protection Agency. EPA-440/4-79-029a.

CH2M HILL, 1997. *Lined CTP Influent Pond No. 2 and Sludge Pond Facility 100 Percent Design Submittal*. CH2M HILL, Bellevue, Washington. April 1997.

CH2M HILL, 1999a. *Acid Mine Drainage – Bunker Hill Mine Water Conceptual Model*. Prepared for U.S. EPA Region 10. CH2M HILL, Spokane, Washington. July 1999.

CH2M HILL, 1999b. *Bunker Hill Mine Flood-Stanly Ore Body In-Mine Reconnaissance Report, Bunker Hill Mine Water Presumptive Remedy*. CH2M HILL, Spokane, Washington. September 1999.

CH2M HILL, 1999c. *Field Reconnaissance of Inflow/Recharge Mechanisms, AMD Generation Mitigations, Bunker Hill Mine Water Management Project*. CH2M HILL, Spokane, Washington. November 1999.

CH2M HILL, 1999d. *Bunker Hill Mine Water Presumptive Remedy*. Prepared for U.S. EPA, Region 10. CH2M HILL, Spokane, Washington. July 1999.

CH2M HILL, 1999e. *Cost/Benefit Analysis - Surface Water Diversions, Bunker Hill Mine Water Presumptive Remedy*. CH2M HILL, Spokane, Washington. July 1999.

CH2M HILL, 1999f. *Ranking Summary of Next Step Mitigations, September 29 – 30, 1999 Recon Follow-up Meeting*. CH2M HILL, Spokane, Washington. November 15, 1999.

CH2M HILL, 1999g. *Analysis of Bunker Hill Mine Pool and South Fork Coeur d'Alene River Hydraulic Relationships and Estimation of Groundwater Travel Times*. CH2M HILL, Spokane, Washington. May 5, 1999.

CH2M HILL, 2000a. *Supplement No. 1B Bunker Hill Mine Conceptual Model. Final Data Summary for 1998/1999 Monitoring Program*. Prepared for U.S. EPA Region 10. CH2M HILL, Spokane, Washington. February 1, 2000.

CH2M HILL, 2000b. *Milo Creek Piezometer Installation*. Technical Memorandum. CH2M HILL, Spokane, Washington. January 13, 2000.

CH2M HILL, 2000c. *Potential for Lime and Sludge Reduction by Bunker Hill Mine Water Mitigation Measures*. Technical memorandum. CH2M HILL, Spokane, Washington. June 26, 2000.

CH2M HILL, 2000d. *Hydrologic Evaluation for Bunker Hill Mine TMDL Compliance*. CH2M HILL, Spokane, Washington. February 7, 2000.

CH2M HILL, 2000e. *In-Mine AMD Mitigation Strategies*. Memorandum. CH2M HILL, Spokane, Washington. May 30, 2000.

CH2M HILL, 2000f. *Bunker Hill In-Mine AMD Mitigation Strategy—Collection of Poor Quality Water and Discharge Below 14 Level*. Technical Memorandum. CH2M HILL, Spokane, Washington. June 23, 2000.

CH2M HILL, 2000g. *Phase 1 Testing Results*. CH2M HILL, Spokane, Washington. February 2000.

CH2M HILL, 2000h. *Phase 2 Testing Results*. CH2M HILL, Spokane, Washington. November 2000.

CH2M HILL, 2000i. *Phase 2B Testing Results*. Spokane, Washington. Not yet issued.

Dames and Moore, 1990. *Bunker Hill Site RI/FS Revised Data Evaluation Report, Vegetative Growing Condition Analysis Subtask 5.4, Volume 1 – Text*. Document No. 15852-PD160/54036. Dames and Moore, Denver, Colorado, May 14, 1990. Pp. 5 & 17.

Dave, G., 1984. *Effects of waterborne iron on growth, reproduction, survival and haemoglobin in Daphnia magna*. Comp. Biochem. Physiol. 78C:433-438.

Demuth, Hal P., 1991. *Analysis of the Sub-Regional Influence of Geologic Structures on Ground Water Flow In Acid Producing Metamorphic Rocks*. Unpublished Master's thesis. May 1991.

Eckwright, T.A., 1982. *Water Flow Patterns within the Bunker Hill Mine, Idaho*. Master's thesis, University of Idaho. 56 pages.

- Eisler, R., 1985. *Selenium Hazards to Fish, Wildlife, and Invertebrates: a Synoptic Review*. U.S. Fish and Wildlife Service, Laurel, MD. Biol. Report 85(1.5). 57pp.
- Eisler R., 1988. *Lead Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review*. U.S. Department of the Interior, Fish and Wildlife Service, Laurel, MD. Biol. Report 85 (1.14).
- Eisler, R., 1993. *Zinc Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review*. U.S. Fish and Wildlife Service, Laurel, MD. Biol. Report 10, Contaminant Hazard Reviews Report 26.
- Erikson, Daniel L., 1985. *Analysis of Water Movement in an Underground Lead-Zinc Mine, Coeur d'Alene Mining District, Idaho*. Unpublished Master's thesis. University of Idaho. May 1985.
- Federal Register*, 1990. Notice publishing the final rule for the National Contingency Plan. 55 *Fed. Regist.* 8666, et seq. March 8, 1990.
- Federal Register*, 1998. Most current National Recommended Water Quality Criteria. 63 *Fed. Regist.* No. 234. December 7, 1998.
- Hampton, Kathleen M., 1985. *Delineation of Abandonment Procedures for the Bunker Hill and Crescent Mines, Shoshone County, Idaho*. Unpublished Master's thesis. University of Idaho. May 1985.
- Hobbs, Griggs, Wallace, Campbell, 1965. *Geology of the Coeur d'Alene District, Shoshone County, Idaho*. U.S. Geological Survey Professional Paper 478.
- Hunt, J.A., 1984. *Analysis of Recharge to an Underground Lead-Zinc Mine, Coeur d'Alene Mining District, Idaho*. Master's thesis. University of Idaho.
- Kimball, G., 1978. The Effects of Lesser-Known Metals and One Organic to Fathead Minnows (*Pimephales promelas*) and *Daphnia magna*. U.S. EPA, Duluth, Minnesota.
- Kwan, K. and S. Smith. 1991. *Some aspects of the kinetics of cadmium and thallium uptake by fronds of Lemma minor L.* New Phytol. 117: 91-102.
- Lachmar, Thomas E., 1989. *Analysis of Fracture-Flow Hydrogeology in an Underground Lead-Zinc Mine, Coeur d'Alene Mining District, Idaho*. Unpublished dissertation. University of Idaho. February 1989.
- LeBlanc, G., and J. Dean, 1984. *Antimony and thallium toxicity to embryos and larvae of fathead minnows (Pimephales promelas)*. Bull. Environ. Contam. Toxicol. 32: 565-569.
- Levens, Russell L., 1990. *Analysis of the Hydrogeologic Role of Geologic Structures with Application to Acid Mine Drainage Abatement*. Unpublished Master's thesis. University of Idaho.
- Lowson, R.T. 1982. *Aqueous Oxidation of Pyrite by Molecular Oxygen*. Chemical Reviews, Vol. 82, No. 5, pp. 461-497.
- Mance, G. 1990. Pollution Threat of Heavy Metals in Aquatic Environments. In K. Mellanby (ed.) *Pollution Monitoring Series*, Elsevier Applied Science. New York, NY.
- McGeachy, S.M. and D.G. Dixon, 1992. *Whole-body arsenic concentrations in rainbow trout during acute exposure to arsenate*. Ecotoxicol. Environ. Saf. 24: 301-308.



- Nassos, P., J. Coats, R. Metcalf, D. Brown, and L. Hansen, 1980. *Model ecosystem, toxicity and uptake evaluation of ⁷⁵Se-selenite*. Bull. Environ. Contam. Toxicol. 24: 752-758
- O'Shea, T., 1972. *Anodic stripping voltametric study of the competitive interactions between trace metals and the alkaline earths for complexing ligands and aquatic environments*. Dissertation. The University of Michigan. U. microfilms. Ann Arbor, MI. Order No. 73-6891.
- Persaud, D., R. Jaagumagi, and A. Hayton, 1990. *The Provincial Sediment Quality Guidelines*. Ontario, Canada, Ministry of the Environment. October 1990.
- Personal Communication, 1998a. From Bob Hopper to Bill Hudson/CH2M HILL. December 1998.
- Personal Communication, 1998b. From Bill Hudson/CH2M HILL to Jim Stefanoff/CH2M HILL. December 1998.
- Personal Communication, 1999. From Frank Breidt, Vice President of Bunker Limited Partnership, to Bill Hudson/CH2M HILL.
- Personal Communication, 2000. From Bob Hopper, owner of the Bunker Hill Mine, to Jim Stefanoff/CH2M HILL. July 26, 2000.
- Ralston, Dale, et al., 1973. *Solutions to Problems of Pollution Associated with Mining in Northern Idaho*. Prepared for the Idaho Bureau of Mines and Geology. December 1, 1973.
- Rand, G.M., and S.R. Petrocelli, 1985. *Fundamentals of Aquatic Toxicology*. Hemisphere Publishing Corporation. Washington DC.
- Reece, D.R., 1974. *A Study of the Leaching of Metal from Sediments and Ores and Formation of Acid Mine Water in the Bunker Hill Mines*. Unpublished Master's thesis. University of Idaho.
- Riley, John A., 1985. *Acid Water Implications for Mine Abandonment, Coeur d'Alene Mining District, Idaho*. Unpublished Master's thesis. University of Idaho. July 1985.
- Riley, John A., 1990. *A Comparison of Multivariate Statistical Analysis and the Use of an Indicator Ion for the Interpretation of Water Quality Data*. Unpublished dissertation. University of Idaho. June 1990.
- Rouleau, C., H. Tjalve, J. Gottofrey, and E. Pelletier, 1996. *Uptake, distribution, and elimination of ⁵⁴MN(II) in the brown trout (Salmo trutta)*. Environ. Toxicol. Chem. 14(3):483-490.
- SAIC, 1991. *Technical Enforcement Support at Hazardous Waste Sites TES 11-Zone 4. Ecological Risk Assessment for the Bunker Hill Superfund Site*. Prepared for USEPA Region X. November, 1991.
- SAIC, 1992. *Technical Enforcement Support at Hazardous Waste Sites TES 11 - Zone 4. Final Human Health Risk Assessment for the Non-populated areas of the Bunker Hill NPL Site*. Prepared for USEPA Region X. June, 1992.
- Spectrum Engineering, 1996. *Milo Gulch Flood Hydrology and Water Quality Improvement Plan*. March 1996.



State of Idaho Department of Environmental Quality and U.S. Environmental Protection Agency, 1998. *Joint Memorandum: Long Term Management of Acid Mine Water from the Bunker Hill Mine and Additional Desired Mine-Related Investigations at the Bunker Hill Superfund Site*. February 26, 1998.

State of Idaho Department of Environmental Quality, 1999. *Idaho Nonpoint Source Management Plan*. December 1999.

Train, R., 1979. *Quality Criteria for Water*. Castle House Publications.

Trexler, Bryson D., Jr., 1975. *The Hydrogeology of Acid Production in a Lead-Zinc Mine*. Dissertation, University of Idaho. June 1975.

Trexler, et al., 1975. *Sources and Causes of Acid Mine Drainage*. Prepared for the Idaho Bureau of Mines and Geology. December 1975.

U.S. Bureau of Mines, 1998. Bunker Hill Collected Water Wetlands Study: Interagency Agreement DW14957159-01-0 between the U.S. Environmental Protection Agency and the U.S. Bureau of Mines. September 14, 1998.

U.S. Environmental Protection Agency, 1980a. *Ambient Water Quality Criteria for Lead*. EPA-440/4-80-057. United States Environmental Protection Agency. Washington, D.C.

U.S. Environmental Protection Agency, 1980b. *Ambient Water Quality Criteria for Mercury*. Washington, DC: U.S. Environmental Protection Agency, Office of Water Regulations and Standards. Document No. EPA 440/5-80-058.

U.S. Environmental Protection Agency, 1984. *Mercury Health Effects Update: Health Issue Assessment*. Final Report. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. Document No. EPA 600/8-84-019F.

U.S. Environmental Protection Agency, 1985a. *Ambient Water Quality Criteria for Arsenic – 1984*. EPA 440/5-84-033. Office of Water Regulations and Standards, Washington, D.C. EPA. 1986b. Guidelines for carcinogenic risk assessment. *Fed. Regist.* 51:33992.

U.S. Environmental Protection Agency, 1985b. *Policy on Floodplains and Wetlands Assessments for CERCLA Actions*. August 6, 1985.

U.S. Environmental Protection Agency, 1987a. *Ambient Water Quality Criteria for Selenium*. USEPA 440/5-87-006. U.S. Environmental Protection Agency, Washington, D.C.

U.S. Environmental Protection Agency, 1987b. *Ambient Aquatic Life Water Quality Criteria Document for Zinc*. EPA/440/5-87-003. United States Environmental Protection Agency. Office of Research and Development, Washington, D.C.

U.S. Environmental Protection Agency, 1988. *Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA*. Interim Final, Office of Emergency and Remedial Response, Washington D.C.

U. S. Environmental Protection Agency, 1989. *CERCLA Compliance with Other Laws Manual*.

U.S. Environmental Protection Agency, 1990. *ARARs Q's and A's: Compliance with Federal Water Quality Criteria*. Publication No. 9234.2-09/FS. June 1990.



U.S. Environmental Protection Agency, 1991. *Record of Decision, Bunker Hill Mining and Metallurgical Complex Residential Soils Operable Unit, Shoshone County, Idaho*. August 1991.

U.S. Environmental Protection Agency, 1992. *Record of Decision, Bunker Hill Mining and Metallurgical Complex, Shoshone County, Idaho*. September 1992.

U.S. Environmental Protection Agency, 1996. *Record of Decision Amendment*. Bunker Hill Mining and Metallurgical Site. EPA/AMD/R10-96/146. September 9, 1996.

U.S. Environmental Protection Agency, 1998. *National Recommended Water Quality Criteria*. 63 FR 68354. December 10, 1998.

U.S. Environmental Protection Agency, 1999. *National Recommended Water Quality Criteria-Correction*. EPA/822/Z-99/001. United States Environmental Protection Agency. Office of Water, Washington, D.C. April 1999.

U.S. Environmental Protection Agency, 2000a. *Bunker Hill Populated Areas Operable Unit First Five Year Review Report*. September 2000.

U.S. Environmental Protection Agency, 2000b. *First 5-Year Review of the Non-Populated Area Operable Unit Bunker Hill Mining and Metallurgical Complex, Shoshone County, Idaho*. September 2000.

U.S. Environmental Protection Agency, IDHW, DEQ, 2000c. *Draft Human Health Risk Assessment, Coeur d'Alene Basin Remedial Investigation/Feasibility Study*. Prepared by CH2M HILL and URS Greiner. Prepared for USEPA, Region X.

U.S. Environmental Protection Agency, 2000d. *Draft Ecological Risk Assessment, Coeur d'Alene Basin Remedial Investigation/Feasibility Study*. Prepared by CH2M HILL and URS Greiner. Prepared for USEPA, Region X. Work Assignment No. 027-RI-CO-102Q, August 31, 2000.

U.S. Environmental Protection Agency and Idaho Department of Environmental Quality, 2000e. *Total Maximum Daily Load for Dissolved Cadmium, Dissolved Lead, and Dissolved Zinc in Surface Waters of the Coeur d'Alene Basin*. Final. August 21, 2000.

U.S. Environmental Protection Agency, 2000f. *A Guide to Developing and Documenting Cost Estimates During the Feasibility Study*. July 2000.

Zitko, V., W. Carson, and W. Carson, 1975. *Thallium: Occurrence in the environment and toxicity to fish*. Bull. Environ. Contam. Toxicol. 13(1): 23-30.

Zitko, V., 1975. *Toxicity and pollution potential of thallium*. Sci. Tot. Environ. 4: 185-192.